Index of Claims

| Application/0 | Control | No |
|---------------|---------|----|
|---------------|---------|----|

10/638,170

Examiner

Ping Lee

Applicant(s)/Patent under Reexamination

BROWNING ET AL.

Art Unit

2615

√ Rejected
= Allowed

| - | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| N | Non-Elected |
|---|--------------|
| - | Interference |

| A | Appeal |
|---|----------|
| o | Objected |

| | | | | | | _ | | | | | | | | |
|---------------|----------|---------------------------------------|----------|---------|----------|------------------|----------------|----------------|--------------------|------|----------|----------|--------------|-----------|
| Cla | aim | | | - | Dat | e | | | | 7 | Cla | aim | Т | |
| Final | | 12/4/6/5 | | | | | | | | | Final | Original | 12 | |
| _ | 1 | - | \vdash | | + | \vdash | ╀ | | \vdash | 1 | | 51 | ٠, | + |
| | 2 | 1 | | + | + | T | \vdash | \vdash | - | 1 | _ | 52 | 1 | 十 |
| | 3 | Ħ | | +- | + | 1 | ╁╌ | ┼─ | ┼─ | 1 | | 53 | H | + |
| | 4 | H | | - | + | ╆ | ╁ | ╁ | † | 1 | | 54 | \forall | + |
| <u> </u> | 5 | \sqcap | | \neg | + | <u> </u> | + | T | 1 | 1 | | 55 | Ħ | 十 |
| | 6 | 11 | H | \top | + | | t | T | + | 1 | | 56 | H | + |
| | 7 | H | | ┰ | \top | 1 | t | \vdash | T | 1 | | 57 | H | \dagger |
| | 8 | | \Box | 1 | 1 | T | | Ī | † | 1 | | 58 | Ħ | \dagger |
| | 9 | П | | | | | | | T | 1 | | 59 | Ħ | Т |
| | 10 | П | | | | | Т | | | 1 | | 60 | П | 1 |
| | 11 | П | | 7 | | | 1 | | | 1 | | 61 | \Box | 1 |
| | 12 | П | | 7 | | Г | Π | | | 1 | | 62 | \sqcap | Τ |
| | 13 | П | | | | | | | | 1 i | | 63 | П | Τ |
| | 14 | | | | | | | | | 1 | | 64 | П | T |
| | 15 | | | | | | | | |] | | 65 | П | Τ |
| | 16 | | | | | [- | | П | |] | | 66 | П | T |
| | ·17 | Ш | | | | | | | |] | | 67 | П | T |
| | 18 | | | | \prod | | | | |] | | 68 | П | Τ |
| | 19 | П | | | | | | | | | | 69 | П | Τ |
| | 20 | | | | | | | | Π | | | 70 | П | Τ |
| | 21 | | | | | | | | |] | | 71 | | Τ |
| | 22 | \coprod | | | | | | | | | | 72 | П | Τ |
| | 23 24 | | | | | | L | | | | | 73 | \prod | I |
| | 24 | Ш | | \perp | | <u> </u> | | | |] -[| | 74 | П | |
| | 25 | Щ | | | _ | <u> </u> | <u> </u> | | | | | 75 | Ц | \perp |
| | 26 | Ш | <u> </u> | | ┸ | _ | ļ | <u> </u> | | | | 76 | Ц | \perp |
| | 27 | \perp | | _ | 1 | _ | <u> </u> | _ | <u> </u> | | _ | 77 | Ц | \perp |
| | 28 | 1 | \sqcup | _ | ╀ | | _ | ļ | <u> </u> | | | 78 | П | ┸ |
| | 29 | 1 | \perp | | 4_ | _ | | <u> </u> | L_ | | | 79 | Ц | ╀ |
| | 30 | Ш | | 4 | \perp | | <u> </u> | ļ | _ | | | 80 | Ц | Ļ |
| | 31 | Ш | - | \perp | - | <u> </u> | <u> </u> | · | | | | 81 | Ц | ╄ |
| | 32 | - | \perp | + | - | L | | <u> </u> | | | | 82 | Ш | Ļ |
| \vdash | 33 | Н | _ | +- | - | _ | <u> </u> | <u> </u> | <u> </u> | | | 83 | Ц | 1 |
| \vdash | 34 | - | + | + | +- | | <u> </u> | <u> </u> | <u> </u> | | | 84 | Н | ╄- |
| \vdash | 35 | -H | | + | - | <u> </u> | ├- | _ | <u> </u> | | | 85 | H | ╄ |
| - | 36 | Ш | | - - | + | - | ├ | ├ | ├ | | | 86 | 1 | 1 |
| \vdash | 37 | $\left - \right - \left - \right $ | - | + | + | | \vdash | <u> </u> | \vdash | | | 87 | H | + |
| \vdash | 38 | H | - | + | - | | - | ├— | \vdash | | | 88 | H | ╄ |
| \vdash | 40 | + - | + | +- | + | _ | ├- | \vdash | | | | 89 | H | + |
| \vdash | 41 | H | | + | \vdash | ├ | \vdash | - | \vdash | | | 90 | H | + |
| \vdash | 42 | H | - | + | \vdash | | - | . | - | | | 91 92 | H | ╁ |
| | 43 | ╁┼┼ | + | +- | ╁ | \vdash | - | | \vdash | } | | 93 | H | ╁ |
| \vdash | 44 | H | + | + | ╁ | | - | H | | | | 94 | + | + |
| \vdash | 45 | H | \dashv | + | \vdash | | - | | | | -+ | 95 | + | ╁ |
| | 46 | H | + | +- | +- | \vdash | - | | | | | 96 | + | + |
| | 47 | ++ | - | + | \vdash | - | | \vdash | - | | \dashv | 97 | + | + |
| | 48 | + | -+- | + | \vdash | \vdash | - | \vdash | | } | | 98 | , | + |
| | 49 | 1 | + | ╁ | ╁ | | - | | | | | 99 | <u> </u> | \vdash |
| | 50 | ᠴ | + | + | + | \vdash | | \vdash | | | | 100 | _ | + |
| - | | الحسا | | ч | 1 | | ш | لـــا | لـــا | L | | 100 | _ | |

| Γ | Cla | original | Γ | | _ | | | Dat | <u>е</u> | | | |
|----------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|--------------------------------------------------|--------------------------------------------------|--------------|
| | | | 1, | _ | Ī _ | Τ | | П | П | | T | Т |
| - | = | l a | 12. | , | | | 1 | | 1 | 1 | 1 | l |
| Ι. | Final | 5 | " | 1 | | | 1 | 1 | 1 | | | |
| ' | L | l 5 | V. | i | | | | | 1 | 1 | | |
| L | | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}}$ | 0 | 6 | L | L | L | L | L | L | L | L |
| | | 51 | نر | | Γ. | | | | П | | | |
| | | 52 | i | Π | | | | _ | 1 | | | Т |
| \vdash | | 53 | Н | Н | \vdash | \vdash | \vdash | +- | H | | | +- |
| - | | 53 | Н | Н | | - | \vdash | ⊢ | | ╁ | - | ⊢ |
| - | | 54 55 | Ц | H | <u> </u> | | - | - | _ | ├ | | ⊢ |
| | | 55 | Ц | L | _ | <u> </u> | <u> </u> | <u> </u> | | | <u> </u> | <u> </u> |
| | | 56 | Ш | L | | L | | | | | | |
| L | | 57 | | | | | | | 1 | | 1 | |
| | | 58 | | l | | | Γ | | | | | |
| | | 59 | | T | | | | | | | | |
| | | 60 | - | H | | | | 1 | \vdash | \vdash | \vdash | t |
| - | _ | 61 | | H | | \vdash | \vdash | - | | - | \vdash | \vdash |
| \vdash | | | Н | H | <u> </u> | \vdash | - | - | \vdash | - | \vdash | \vdash |
| - | | 62 | Н | H | | \vdash | | - | - | - | \vdash | ļ. |
| \vdash | | 63 | Ц | Ц | <u> </u> | - | <u> </u> | _ | \vdash | _ | <u> </u> | _ |
| _ | | 64 | Ц | Ц | L | 丄 | | | L | | \perp | $oxed{oxed}$ |
| | | 65 | LΙ | | L | L | L | L | | | | |
| | | 66 | П | П | | | | | | | Г | |
| | | 67 | П | П | | | T | | | 1 | İ | |
| \vdash | | 68 | H | Н | - | \vdash | \vdash | ┢ | ╁─ | \vdash | 1 | ┢╾ |
| \vdash | | 69 | Н | Н | | \vdash | ├ | ' | \vdash | ⊢ | - | ⊢ |
| \vdash | _ | 70 | Н | Ц | | <u> </u> | ├ | ├ | <u> </u> | \vdash | | <u> </u> |
| \perp | | 70 | Ц | | | ļ | _ | | | _ | | |
| _ | | 71 | Ц | | | | | _ | | L | | |
| L | | 72 | | | | | 1 | | | | | |
| | | 73 | П | | | Γ | | | | | | |
| | | 74 | П | ٦ | | | | П | | | | |
| . | | 75 | H | | | 一 | _ | | | | | |
| _ | _ | 76 | H | 1 | | | | | | \vdash | \vdash | |
| | | 76 77 | Н | Н | | \vdash | | ├- | - | | | \vdash |
| | _ | 70 | Н | Н | | ⊢ | | | ├- | <u> </u> | - | \vdash |
| \perp | _ | 78 | Ц | 4 | | L | _ | <u> </u> | | _ | _ | <u> </u> |
| | | 79 | Ц | _ | | _ | _ | _ | | _ | L | |
| L | | 80 | | | | | | | | | _ | |
| [| _7 | 81 | П | Ī | | | | | | Γ | | |
| | | 82 | П | 7 | | | | | \Box | | T | |
| | | 83 | 7 | 7 | | | | | | \vdash | | |
| \vdash | \dashv | 84 | + | + | | | _ | - | \vdash | \vdash | \vdash | \vdash |
| | | 85 | + | + | | - | \vdash | - | | - | \vdash | |
| \vdash | - | | + | 4 | | <u> </u> | ⊢ | | <u> </u> | <u> </u> | <u> </u> | |
| \vdash | _ | 86 | 4 | 4 | | <u> </u> | <u> </u> | $oxed{oxed}$ | <u> </u> | <u> </u> | | Ш |
| <u> </u> | _ | 87 | 4 | 1 | | <u> </u> | | | | <u> </u> | L | |
| | | 88 | _1 | 1 | | | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ | | | L | L | L_] |
| L | [| 89 | _[| _J | | L | L | | L | | | |
| | | 90 | 1 | T | | | | | | | | |
| | 寸 | 91 | 1 | 1 | | | П | | | Г | | Н |
| | \dashv | 92 | 7 | + | | \vdash | _ | | | - | _ | \vdash |
| - | - | 93 | + | + | | - | \vdash | Н | | - | _ | |
| - | | | + | + | | | H | \vdash | | $\vdash\dashv$ | | - |
| - | \dashv | 94 | + | 4 | | Ш | - | | | \vdash | _ | |
| <u> </u> | | 95 | 1 | 1 | | | Ш | | | | | |
| <u></u> | | 96 | 1 | | ٠ | | | | | L | | |
| | | 97 | | ſ | | | | | | | | |
| | | 98 | ج | Ŧ | | | | | | | | \neg |
| | | 99 | | 1 | | | | | | | | \vdash |
| | + | 100 | | + | | | | - | - | Н | | - |
| 1 | - 1 | | | - 1 | | 1 1 | | | | | | - 1 |

| | | _ | | | | | | | | |
|-------|----------------------------------------|----------------|----------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|---------------|-----------------|
| CI | aim | _ | | , | T_ | <u>Dat</u> | <u>e</u> | , | , | , |
| Final | Original | | | | | | | | | |
| | 101 102 | | | | | T | 1 | | \vdash | T |
| | 102 | | | | | Г | | | | Т |
| | 103 | | | | | | | | 1 | 1 |
| | 104 | | | | | | | П | | Γ |
| | 105 | | | | L | | | | | |
| | 106 | <u>.</u> | | L | | | L | | | |
| | 107 | | ļ | <u> </u> | _ | | <u> </u> | <u> </u> | | 上 |
| | 108 | _ | | | \perp | | _ | ╙ | <u> </u> | _ |
| | 109 | _ | _ | <u> </u> | <u> </u> | ļ | <u> </u> | ╙ | _ | Ļ |
| | 110 | <u> </u> | <u> </u> | | ↓_ | 1 | <u> </u> | _ | <u> </u> | |
| | 111 | _ | <u> </u> | - | | - | | — | \vdash | 1 |
| | 112 113 | ⊢ | \vdash | - | +- | \vdash | \vdash | ├- | \vdash | 1 |
| | 113 | ├ | - | \vdash | - | - | \vdash | \vdash | - | - |
| - | 115 | — | \vdash | \vdash | +- | 1 | \vdash | ├ | - | + |
| | 116 | - | - | - | +- | \vdash | \vdash | | \vdash | + |
| | 117 | | | \vdash | +- | \vdash | | \vdash | - | + |
| | 118 | \vdash | | ╁╴ | + | \vdash | \vdash | - | \vdash | + |
| | 119 | | | _ | \vdash | +- | ├ | | | - |
| | 120 | | | | \vdash | ١. | \vdash | | \vdash | |
| _ | 120 121 122 123 124 125 | | - | | | | | Ė | \vdash | ┢╌ |
| | 122 | - | | | | \vdash | | | | _ |
| | 123 | | | | | t | - | | H | H |
| | 124 | | | | | <u> </u> | - | | | ┢ |
| | 125 | | _ | | П | | | Г | | |
| | 126 | | | " | | | | | | |
| | 126 127 128 129 130 | | | | | | | | | |
| | 128 | | | | | | | | | |
| | 129 | | | | | L | | | | L |
| | 130 | | | L. | <u> </u> | <u> </u> | | Ŀ | _ | |
| | 131 132 | | | <u> </u> | L_ | | | <u> </u> | _ | |
| | 132 | | | <u> </u> | <u> </u> | | | | _ | Щ |
| | 133 | | | <u> </u> | | <u> </u> | <u> </u> | | _ | Ш |
| | 134 135 | | | ļ | <u> </u> | <u> </u> | <u> </u> | L | _ | Ш |
| | 135 | | | _ | _ | \vdash | | | - | |
| | 136 | | | <u> </u> | - | | _ | <u> </u> | <u> </u> | \vdash |
| | 137 138 | | | - | - | \vdash | | \vdash | <u> </u> | \vdash |
| | 138 | - | | - | - | <u> </u> | | \vdash | - | |
| - | 140 | | - | - | \vdash | | | \vdash | ├- | \vdash |
| | 141 | | | - | ├- | - | - | - | \vdash | Н |
| -+ | 142 | - | | | - | - | | - | | Н |
| | 143 | \dashv | | _ | | \vdash | - | H | - | \vdash |
| | 144 | | | _ | \vdash | | H | <u> </u> | | $\vdash \vdash$ |
| | 145 | | - | <u> </u> | \vdash | | Н | - | <u> </u> | H |
| | 146 | | | _ | I^- | <u> </u> | Н | М | - | \vdash |
| | 147 | \neg | | | | | | \vdash | _ | Н |
| | 148 | \neg | _ | | | | | - | | H |
| | 149 | \neg | | | | | | | _ | |
| | 150 | | | | | | | | | |